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The computed place is taken from the *corrected* ephemeris published in the present *Monthly Notice.*

The following are the assumed *apparent* places of the stars, deduced from one observation of each with the transit circle, except the last star, which has been brought up from the Edinburgh Observations for 1837.

		R.A.	N.P.D.
		h m s	° ′ ″
a = H.C. 19782	Feb. 7	10 1 38·03	86 53 38·4
b = H.C. 19722	13	9 58 20·90	86 50 29·1
c = B.A.C. 3412	19	9 51 54·21	85 53 59·8
d = H.C. 19268	28	9 41 50·61	85 12 23·6
e = B.A.C. 3359	Mar. 3	9 42 39·87	84 57 17·7

HAVERHILL. Equatoreal. (W. W. Boreham, Esq.)

1849.	Greenwich M.T. h m s	R.A. h m s	N.P.D. ° ′ ″	Obs.	Star of Comp.	
Jan. 17	10 10 38	10 21 40·35	87 50 24·6	4	Weisse, x.	392
22	10 10 2	18 19·48	47 37·5	6	—	294
26	9 48 37	15 12·59	42 15·8	5	—	247
Feb. 2	10 51 14	8 55·23	25 1·6	1	—	107
8	10 1 14	3 3·34	87 3 26·9	4	—	6
10	9 52 9	1 3·75	86 55 33·9	4	—	6
11	9 45 59	10 0 0·79	51 5·5	6	—	6
12	10 1 44	9 58 56·72	46 11·9	5	H.C.	19722
13	10 2 57	57 55·56	41 38·3	5	—	—
15	10 39 41	55 50·39	32 43·1	10	B.A.C.	3436
16	10 2 4	54 50·26	27 55·6	5	—	—
17	10 47 26	53 47·19	22 44·6	6	Weisse, ix.	1149
19	10 4 9	51 46·97	12 53·9	8	B.A.C.	3412
20	10 44 12	9 50 45·18	86 7 30·5	5	—	—

Corrected for parallax and refraction.

HAMBURG. Meridian Circle. (M. C. Rümker.)

1849.	Hamburg M.T. h m s	R.A. ° ′ ″	Dec. ° ′ ″
Feb. 1	13 21 24·5	152 26 57·4	+2 32 13·7
2	13 16 32·1	152 12 47·6	+2 35 16·9

Ephemeris of Iris (by MM. Hind and Pogson) from Mr. Pogson's Elements, p. 42.

For Greenwich Mean Midnight.

1849.	Appt R.A. h m s	Appt N.P.D. ° ′ ″	1849.	Appt R.A. h m s	Appt N.P.D. ° ′ ″
Jan. 24	10 16 45·38	87 45 29·4	Jan. 30	10 11 40·15	87 33 22·6
25	15 57·60	43 56·2	31	10 45·34	30 42·7
26	15 8·51	42 12·3	Feb. 1	9 49·56	27 52·1
27	14 18·17	40 16·6	2	8 52·85	24 51·4
28	13 26·63	38 9·7	3	7 55·32	21 40·5
29	10 12 33·94	87 35 51·7	4	10 6 57·01	87 18 19·6

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1849.		App^{t} R.A.			App^{t} N.P.D.		
		h	m	s	°	′	″
Feb.	5	10	5	58·00	87	14	48·7
	6		4	58·39		11	8·7
	7		3	58·22		7	19·6
	8		2	57·56	87	3	21·9
	9		1	56·54	86	59	16·0
	10	10	0	55·18		55	2·5
	11	9	59	53·59		50	41·7
	12		58	51·81		46	13·5
	13		57	49·93		41	38·6
	14		56	48·02		36	57·5
	15		55	46·21		32	10·7
	16		54	44·56		27	18·8
	17		53	43·15		22	21·8
	18		52	42·05		17	20·4
	19		51	41·34		12	15·1
	20		50	41·08		7	6·0
	21		49	41·39	86	1	54·3
	22		48	42·29	85	56	39·8
	23		47	43·90		51	22·8
	24		46	46·29		46	3·9
	25		45	49·52		40	43·8
	26		44	53·65		35	22·7
	27		43	58·75		30	1·1
	28		43	4·88		24	39·2
Mar.	1		42	12·10		19	17·6
	2		41	20·49		13	56·8
	3		40	30·07		8	37·2
	4		39	40·90	85	3	19·3
	5		38	53·03	84	58	3·4
	6		38	6·51		52	49·6
	7		37	21·39		47	38·5
	8		36	37·70		42	30·3
	9		35	55·47		37	25·5
	10		35	14·75		32	24·3
	11		34	35·52		27	26·8
	12		33	57·85		22	33·4
	13		33	21·76		17	44·3
	14		32	47·26		12	59·8
	15		32	14·37		8	20·1
	16		31	43·13	84	3	45·6
	17		31	13·54	83	59	16·2
	18		30	45·63		54	52·2
	19		30	19·43		50	34·2
	20	9	29	54·94	83	46	22·2
Mar.	21	9	29	32·17	83	42	16·4
	22		29	11·11		38	16·9
	23		28	51·80		34	23·8
	24		28	34·22		30	37·5
	25		28	18·38		26	57·9
	26		28	4·26		23	25·1
	27		27	51·89		19	59·4
	28		27	41·25		16	40·7
	29		27	32·33		13	29·4
	30		27	25·12		10	25·2
	31		27	19·63		7	28·6
April	1		27	15·81		4	39·2
	2		27	13·70	83	1	57·6
	3		27	13·26	82	59	23·2
	4		27	14·43		56	56·4
	5		27	17·24		54	37·2
	6		27	21·65		52	25·6
	7		27	27·67		50	21·5
	8		27	35·25		48	25·1
	9		27	44·39		46	36·5
	10		27	55·06		44	55·3
	11		28	7·26		43	21·8
	12		28	20·96		41	55·8
	13		28	36·14		40	37·5
	14		28	52·80		39	26·7
	15		29	10·89		38	23·6
	16		29	30·41		37	28·1
	17		29	51·34		36	40·1
	18		30	13·64		35	59·4
	19		30	37·31		35	26·3
	20		31	2·35		35	0·9
	21		31	28·72		34	43·1
	22		31	56·40		34	32·7
	23		32	25·38		34	29·7
	24		32	55·62		34	34·2
	25		33	27·11		34	46·2
	26		33	59·84		35	5·5
	27		34	33·78		35	32·0
	28		35	8·89		36	5·8
	29		35	45·11		36	46·6
	30		36	22·48		37	34·7
May	1		37	0·98		38	29·9
	2		37	40·57		39	32·0
	3	9	38	21·23	82	40	41·2

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1849.	Appt R.A. h m s	Appt N.P.D. ° ′ ″
May 4	9 39 2·91	82 41 57·3
5	39 45·60	43 20·2
6	40 29·29	44 49·7
7	41 13·91	46 25·9
8	41 59·47	48 8·6
9	42 46·02	49 58·1
10	9 43 33·50	82 51 54·2
May 11	9 44 21·87	82 53 56·7
12	45 11·15	56 5·8
13	46 1·29	82 58 21·1
14	46 52·28	83 0 42·9
15	47 44·14	3 10·7
16	9 48 36·82	83 5 45·0

The R.A. is reckoned from the true equinox, and the ephemeris is corrected for aberration, so that the computed places require no further correction.*

Horizontal Parallax.

1848.	″
Jan. 24	5·82
28	5·88
Feb. 1	5·93
5	5·96
9	5·97
13	5·96
17	5·93
21	5·88
25	5·82
March 1	5·74
March 5	5·65
9	5·54
13	5·43
17	5·31
21	5·18
25	5·05
29	4·92
April 2	4·79
6	4·66
10	4·53
April 14	4·41
18	4·29
22	4·17
26	4·06
30	3·95
May 4	3·86
8	3·74
12	3·63
16	3·52

HEBE.

DURHAM. Fraunhofer Equatoreal. (Professor Chevallier and Rev. R. A. Thompson.)

1848.	Greenwich M.T. h m s	R.A. h m s		N.P.D. ° ′ ″		No. of Obs.
Dec. 15	12 36 34·1	6 9 25·19	0·00 P.	86 49 9·2	−·78	P.Merid.
27	10 48 7·2	5 56 57·00	−·008	85 33 22·1	−·77	11
1849.						
Jan. 16	10 47 5·1	5 40 30·82	+·008	82 29 22·8	−·73	2
17	8 4 24·4	40 1·39	−·018	82 20 18·2	−·74	12
26	10 4 15·6	36 25·63	+·008	80 46 15·7	−·71	4
	11 11 17·4	24·64	+·018	45 45·7	−·72	6
30	8 15 3·7	35 42·63	−·008	80 5 24·3	−·71	6
31	9 33 12·3	35 36·33	+·007	79 54 32·7	−·71	5
Feb. 8	7 55 29·3	35 55·98	−·005	78 34 16·2	−·69	2
	8 19 8·6	56·27	−·002	9·4	−·68	6
13	8 22 37·3	37 8·62	+·003	77 45 16·5	−·67	8
22	8 26 32·5	41 9·92	+·008	76 22 9·1	−·60	5
26	8 9 43·4	43 37·00	+·008	75 47 27·7	−·65	6
28	8 27 35·5	5 45 0·59	+·011 P.	75 30 29·9	−·65 P.	6

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* A slight error was committed in the former ephemerides, which has been corrected in this. The interpolation is made from places calculated for every eight days, and is tolerably satisfactory.